RAW SEQUENCE LISTING PATENT APPLICATION US/08/758,033

DATE: 02/14/97 TIME: 15:14:57 🕹 🐠

This Raw Listing contains the General Information Section and up to the first 5 pages.

	1		SEQUENCE LISTING
	2		
	3	(1) Gene	eral Information:
	4		
	5	(i) A	PPLICANT: Clayman, Gary L.
	6		
	7	(11) T	TILE OF INVENTION: Methods and Compositions for the
	8		Diagnosis and Treatment of Cancer
	.9	, , , , , , , , , , , , , , , , , , , ,	NADED OF GEOLENGES. 14
	10	(111) N	JMBER OF SEQUENCES: 14
	11 12	(i)	DDDGCDONDENGE ADDDGCG.
	13		DRRESPONDENCE ADDRESS: (A) ADDRESSEE: Arnold, White and Durkee
	14		(B) STREET: P.O. Box 4433
	15		(C) CITY: Houston
	16		(D) STATE: TX
	17		(E) COUNTRY: USA
	18		(F) ZIP: 77210-4433
	19	'	(1) 111. //210 1133
	20	(v) C	DMPUTER READABLE FORM:
	21		(A) MEDIUM TYPE: Floppy disk
	22		(B) COMPUTER: IBM PC compatible
	23		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
	24		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
	25		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	26	(vi) C	JRRENT APPLICATION DATA:
->	27		(A) APPLICATION NUMBER: UNKNOWN
	28		(B) FILING DATE: CONCURRENTLY HEREWITH
->	29		(C) CLASSIFICATION: UNKNOWN
	30		
	31		TTORNEY/AGENT INFORMATION:
	32		(A) NAME: Highlander, Steven L.
	33		(B) REGISTRATION NUMBER: 37,642
	34		(C) REFERENCE/DOCKET NUMBER: INGN:022
	35		
	36	, ,	ELECOMMUNICATION INFORMATION:
	37		(A) TELEPHONE: (512) 418-3000
	38		(B) TELEFAX: (512) 474-7577
	39		
	40		
	41	(2) INFORM	ATION FOR SEQ ID NO:1:
	42		
	43		EQUENCE CHARACTERISTICS:
	44		(A) LENGTH: 2066 base pairs
	45		(B) TYPE: nucleic acid
	46		(C) STRANDEDNESS: single

PAGE: 2

RAW SEQUENCE LISTING AND AN PATENT APPLICATION US/08/758,933

DATE: 02/14/97 TIME: 15:15:01 a 45.00

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(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: CAAAACCTAC CAGGGCAGCT ACGGTTTCCG TCTGGGCTTC TTGCATTCTG GGACAGCCAA GTCTGTGACT TGCACGTACT CCCCTGCCCT CAACAAGATG TTTTGCCAAC TGGCCAAGAC CTGCCCTGTG CAGCTGTGGG TTGATTCCAC ACCCCGCCC GGCACCCGCG TCCGCGCCAT GGCCATCTAC AAGCAGTCAC AGCACATGAC GGAGGTTGTG AGGCGCTGCC CCCACCATGA GCGCTGCTCA GATAGCGATG GTCTGGCCCC TCCTCAGCAT CTTATCCGAG TGGAAGGAAA TTTGCGTGTG GAGTATTTGG ATGACAGAAA CACTTTTCGA CATAGTGTGG TGGTGCCCTA TGAGCCGCCT GAGGTTGGCT CTGACTGTAC CACCATCCAC TACAACTACA TGTGTAACAG TTCCTGCATG GGCGGCATGA ACCGGAGGCC CATCCTCACC ATCATCACAC TGGAAGACTC CAGTGGTAAT CTACTGGGAC GGAACAGCTT TGAGGTGCGT GTTTGTGCCT GTCCTGGGAG AGACCGGCGC ACAGAGGAAG AGAATCTCCG CAAGAAAGGG GAGCCTCACC ACGAGCTGCC CCCAGGGAGC ACTAAGCGAG CACTGCCCAA CAACACCAGC TCCTCTCCCC AGCCAAAGAA GAAACCACTG GATGGAGAAT ATTTCACCCT TCAGATCCGT GGGCGTGAGC GCTTCGAGAT GTTCCGAGAG CTGAATGAGG CCTTGGAACT CAAGGATGCC CAGGCTGGGA AGGAGCCAGG GGGGAGCAGG GCTCACTCCA GCCACCTGAA GTCCAAAAAG GGTCAGTCTA CCTCCCGCCA TAAAAAACTC ATGTTCAAGA CAGAAGGGCC TGACTCAGAC TGACATTCTC CACTTCTTGT TCCCCACTGA CAGCCTCCCA CCCCCATCTC TCCCTCCCCT GCGATTTTGG GTTTTGGGTC TTTGAACCCT TGCTTGCAAT AGGTGTGCGT CAGAAGCACC CAGGACTTCC ATTTGCTTTG TCCCGGGGCT CCACTGAACA AGTTGGCCTG CACTGGTGTT TTGTTGTGGG GAGGAGGATG GGGAGTAGGA CATACCAGCT TAGATTTTAA GGTTTTTACT GTGAGGGATG TTTGGGAGAT GTAAGAAATG TTCTTGCAGT TAAGGGTTAG TTTACAATCA GCCACATTCT AGGTAGGGGC CCACTTCACC GTACTAACCA GGGAAGCTGT CCCTCACTGT TGAATTTTCT CTAACTTCAA GGCCCATATC TGTGAAATGC TGGCATTTGC ACCTACCTCA CAGAGTGCAT TGTGAGGGTT AATGAAATAA TGTACATCTG GCCTTGAAAC CACCTTTTAT TACATGGGGT CTAGAACTTG ACCCCCTTGA GGGTGCTTGT TCCCTCTCCC TGTTGGTCGG TGGGTTGGTA GTTTCTACAG TTGGGCAGCT GGTTAGGTAG AGGGAGTTGT CAAGTCTCTG CTGGCCCAGC CAAACCCTGT

PAGE: 3 RAW SEQUENCE LISTING DATE: 02/14/97 PATENT APPLICATION: US/08/758,033 CDD ATE: 02/14/97

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100 101	CTGACAAC	er c	TTGG	rgaac	CT	raga:	rcct	AAA	AGGA	AAT	GTCA	ccc	AT C	CCAC	ACCC	r	1560
102																_	
103 104	GGAGGATT																1620
105 106	TCCAATTTC	CT T	rttt(CTTTT	TTT	rTTT:	rttt	TTTC	CTTT	ГТС	TTTG	AGAC'	rg g	GTCT(CTTT(3	1680
107 108	TTGCCCCA	G C	rggao	GTGGA	GTO	ggcg'	IGAT	CTG	3CTT/	ACT	GCAG	CCTT'	rg c	CTCC	CCGG	2	1740
109 110	TCGAGCAG	rc c	rgcc:	rcago	CT	CCGG	AGTA	GCT	GGGA	CCA	CAGG'	TTCA'	rg c	CACC	ATGG	2	1800
111	CAGCCAACT	TT T	rgca:	rgttt	' TG	ragao	BATG	GGG'	rctc.	ACA	GTGT'	rgcc	CA G	GCTG	STCT	2	1860
113	AAACTCCTC	G G	CTCAC	GGCGA	TC	CACC	rgtc	TCA	CCT	ccc	AGAG'	rgct	GG G	ATTA	CAAT	r	1920
114 115 116	GTGAGCCAG	CC A	CGTC	CAGCT	gg/	AAGG	STCA	ACA!	rctt'	ГТА	CATT	CTGC	AA G	CACA'	rctgo	2	1980
117 118	ATTTTCAC	cc c	ACCC!	rtccc	CTC	CTTC	rccc	TTT	TTAT	ATC	CCAT'	r t tt	AT A'	rcga'	rctc:	r	2040
119	TATTTTAC	AA T	AAAA	CTTTG	CTC	BCCA											2066
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132	Lys	Thr	Tyr	Gln	_	Ser	Tyr	Gly	Phe	_	Leu	Gly	Phe	Leu		Ser	
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135	Gly	Thr	Ala	Lys	Ser	Val	Thr	Cys		Tyr	Ser	Pro	Ala	Leu	Asn	Lys	
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138	Met	Phe	Cys	Gln	Leu	Ala	Lys	Thr	Cys	Pro	Val	Gln	Leu	Trp	Val	Asp	
139			35					40					45				
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141	Ser	Thr	Pro	Pro	Pro	Gly	Thr	Arg	Val	Arg	Ala	Met	Ala	Ile	Tyr	Lys	
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144	Gln	Ser	Gln	His	Met	Thr	Glu	Val	Val	Arg	Arg	Cys	Pro	His	His	Glu	
145	65					70					75					80	
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147	Arg	Cys	Ser	Asp	Ser	Asp	Gly	Leu	Ala	Pro	Pro	Gln	His	Leu	Ile	Arg	
148	_			_	85	_				90					95		
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150	Val	Glu	Gly	Asn	Leu	Arg	Val	Glu	Tyr	Leu	Asp	Asp	Arg	Asn	Thr	Phe	
151			-	100		_			105		_	_	_	110			
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PAGE: 4 RAW SEQUENCE LISTING DATE: 02/14/97 A PAGE: 4 PATENT APPLICATION US/08/758,033 A PAGE DATE: 02/14/97

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153	Ara	His	Ser	Va1	Va1	Va1	Pro	Tur	Glu	Pro	Pro	Glu					
154	9		115					120					125	- -,			
155																	
156	Cvs	Thr	Thr	Ile	His	Tvr	Asn	Tvr	Met	Cvs	Asn	Ser	Ser	Cvs	Met	Glv	
157	-1-	130				-1-	135	-] -		-]		140		-1-		1	
158																	
159	g] v	Met	Δsn	Ara	Ara	Pro	Tle	Leu	Thr	Tle	Tle	Thr	Len	Glu	Asp	Ser	
160	145	MCC	AUII	n. 9	n. 9	150	110	пси		110	155		Dea	014	n.D.D	160	
161	143					150					133					100	
162	Ser	G] v	Δen	T.011	T.011	Gl v	Δra	Δen	Ser	Dho	Glu	Val	Δτα	Val	Cvs	Δla	
163	Sei	OLY	ASII	пса	165	OLY	nr 9	ASII	561	170	OIU	V 4 1	AL 9	V U .L	175	n_u	
164					103					170					1,5		
165	Cvc	Dro	al v	λτα	λen	λrα	λrα	Thr	Glu	Glu	Glu	Asn	T.011	λτα	T.ve	T.ve	
166	Cys	FIO	GLY	180	ASP	ALG	ALG	1111	185	GIU	GIU	ASII	пец	190	цys	כעם	
167				100					103					100			
168	Cl.	C1.,	Bro	uic	uic	C111	T 011	Dro	Dro	C1	802	Thr	T we	Ara	λla	LOU	
169	GIY	GIU	195	птъ	nis	GIU	Leu	200	PIO	GIY	ser	1111	205	Arg	Ата	Leu	
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	PIO		ASII	1111	ser	ser		PIO	GIII	PIO	гур	Lys	гуъ	PIU	Leu	ASP	
172		210					215					220					
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174 175	225	GIU	Tyr	Pne	THE	230	GIN	тте	Arg	GLY	235	Glu	Arg	Pile	GIU	240	
	225					230				•	235					240	
176 177	Dho	λ ~ ~	a1	Т олл	3	a1	370	T 011	a1.,	T 011	T	N an	37.	a1 5	210	Gly	
	Prie	AIG	GIU	Leu		GIU	АТА	Leu	GIU		гуѕ	Asp	АТА	GIII	255	СТУ	•
178					245					250					233		
179	T	a1	Dwa	a1	a1	C	3	31.	774 ~	C	C	***	T 011	T	Co.~	T ***	
180	гÀг	GIU	PIO	_	GTA	ser	Arg	АТА		Ser	Ser	His	Leu	_	Ser	гаг	
181				260					265					270			
182	T	a1	a1	C	mb	C	3		T	T	T	Wa+	Dha	T	mb ~	a1.,	
183 184	гуѕ	СТУ	275	ser	1111	ser	Arg	280	гуъ	гуъ	Leu	Met	285	гуз	1111	GIU	
185			275					200					203				
186	Cl v	Dro	Asp	802	λεν												
187	GLY	290	мэр	261	мэр												
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200	CAAAACTT	AC C	AGGG	CAAC	ቦ ልጥ	ggcTr	TCCA	ССТС	ggggr	rrc o	CTGC	AGTCT	rg ac	BACA	GCA Z	A	60
201	J						1				1					-	
202	GTCTGTTA'	rg Te	GCAC	GTAC'	г сто	CCTC	СССТ	CAAT	raago	TA T	rrcro	CCAC	C TO	GCG/	AAGAC	3	120
203		- - '				 •					'		`				
204	GTGCCCTG'	rg c	AGTT	GTGG	3 TC	AGCGG	CCAC	ACCT	CCAC	CT (GGA	3CCG1	rg To	CCGC	3CCAT	r	180
205		-															-

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206	аааахтааха	AAGAAGTCAC	A CC A CITITICA C	accoamcama		NPUT SET: S154	93.raw 240
206 207							
208 209	GCGCTGCTCC	GATGGTGATG	GCCTGGCTCC	TCCCCAGCAT	CTTATCCGGG	TGGAAGGAAA	300
210 211	TTTGTATCCC	GAGTATCTGG	AAGACAGGCA	GACTTTTCGC	CACAGCGTGG	TGGTACCTTA	360
212	TGAGCCACCC	GAGGCCGGCT	CTGÄGTATAC	CACCATCCAC	TACAAGTACA	TTTGTAATAG	420
214 215	CTCCTGCATG	GGGGGCATGA	ACCGCCGACC	TATCCTTACC	ATCATCACAC	TGGAAGACTC	480
216 217	CAGTGGGAAC	CTTCTGGGAC	GGGACAGCTT	TGAGGTTCGT	GTTTGTGCCT	GCCCTGGGAG	540
218 219	AGACCGCCGT	ACAGAAGAAG	AAAATTTCCG	CAAAAAGGAA	GTCCTTTGCC	CTGAACTGCC	600
220 221	CCCAGGGAGC	GCAAAGAGAG	CGCTGCCCAC	CTGCACAAGC	GCCTCTCCCC	CGCAAAAGAA	660
222	AAAACCACTT	GATGGAGAGT	ATTTCACCCT	CAAGATCCGC	GGGCGTAAAC	GCTTCGAGAT	720
224 225	GTTCCGGGAG	CTGAATGAGG	CCTTAGAGTT	AAAGGATGCC	CATGCTACAG	AGGAGTCTGG	780
226 227	AGACAGCAGG	GCTCACTCCA	GCTACCTGAA	GACCAAGAAG	GGCCAGTCTA	CTTCCCGCCA	840
228	TAAAAAAACA	ATGGTCAAGA	AAGTGGGGCC	TGACTCAGAC	TGACATTCTC	CACTTCTTGT	900
230 231	TCCCCACTGA	CAGCCTCCCA	CCCCCATCTC	TCCCTCCCCT	GCCTTTTGGG	TTTTGGGTCT	960
232 233	TTGAACCCTT	GCTTGCAATA	GGTGTGCGTC	AGAAGCACCC	AGGACTTCCA	TTTGCTTTGT	1020
234 235	CCCGGGGCTC	CACTGAACAA	GTTGGCCTGC	ACTGGTGTTT	TGTTGTGGGG	AGGAGGATGG	1080
236 237	GGAGTAGGAC	ATACCAGCTT	AGATTTTAAG	GTTTTTACTG	TGAGGGATGT	TTGGGAGATG	1140
238 239	TAAGAAATGT	TCTTGCAGTT	AAGGGTTAGT	TTACAATCAG	CCACATTCTA	GGTAGGGGCC	1200
240 241	CACTTCACCG	TACTAACCAG	GGAAGCTGTC	CCTCACTGTT	GAATTTTCTC	TAACTTCAAG	1260
242 243	GCCCATATCT	GTGAAATGCT	GGCATTTGCA	CCTACCTCAC	AGAGTGCATT	GTGAGGGTTA	1320
244 245	ATGAAATAAT	GTACATCTGG	CCTTGAAACC	ACCTTTTATT	ACATGGGGTC	TAGATGACCC	1380
246 247	CCTTGAGGTG	CTTGTTCCCT	CTCCCTGTTG	GTCGGTGGGT	TGGTAGTTTC	TACAGTTGGG	1440
248 249	CAGCTGGTTA	GGTTGAGGTA	GTTGTCAGGT	CTCTGCTGGC	CCAGCGAAAT	TCTATCCAGC	1500
250 251	CAGTTGTTGG	ACCCTGGCAC	CTCAAATGAA	ATCTCACCCT	ACCCCACACC	CTGTAAGATT	1560
252 253	CTATCTCTTG	TATAGATGAT	CTGGATCCAC	CAAGACTTGT	TTTAGCTCAG	GGTCCAATTT	1620
254 255	CTTTTTTCTT	TTTTTTTTTT	TTTTTCTTTT	TCTTTGAGAC	TGGGTCTCTT	TGTTGCCCCA	1680
256 257	GGCTGGAGTG	GAGTGGCGTG	ATCTGGCTTA	CTGCAGCCTT	TGCCTCCCCG	GCTCGAGCAG	1740
258	TCCTGCCTCA	GCCTCCGGAG	TAGCTGGGAC	CACAGGTTCA	TGCCACCATG	GCCAGCCAAC	1800

SEQUENCE VERIFICATION REPORT DATE: 02/14/97PATENT APPLICATION US/08/758,033

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Line Error Original Text Wrong application Serial Number Wrong Classification (A) APPLICATION NUMBER: UNKNOWN (C) CLASSIFICATION: UNKNOWN 27 29